

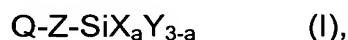
WHAT IS CLAIMED IS:

1. A protective covering comprising at least a two-layer coating build-up wherein

the first coating comprises a two-component polyurethane adhesion promoter (primer) containing alkoxysilyl groups and
 5 the second coating comprises an inorganic or organic coating or an inorganic-organic hybrid coating.

2. The protective covering of Claim 1 wherein the two-component polyurethane adhesion promoter comprises

10 I) a hardener component (A), comprising an addition product of at least one organic polyisocyanate (B) with an average NCO functionality of 2.5 to 5.0 and an isocyanate content of 8 to 27 wt.% and
 an alkoxysilane (C) with at least one group which is reactive
 15 towards isocyanate groups, of formula (I)



in which

20 Q represents an isocyanate-reactive group,
 Z represents a linear or branched C₁-C₁₂-alkylene group,
 X represents a hydrolyzable group,
 Y represents identical or different C₁-C₄-alkyl groups, and
 a represents an integer from 1 to 3,

25 and

II) a paint resin (D) which is reactive towards isocyanate groups.

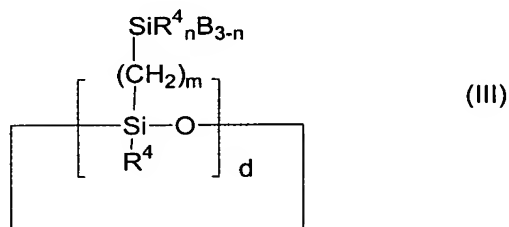
3. The protective covering of Claim 2 wherein

Q represents OH, SH or NHR₁, wherein R₁ represents a C₁-C₁₂-alkyl group, a C₆-C₂₀-aryl group or -Z-SiX_aY_{3-a},

30 4. The protective covering of Claim 2 wherein

Z represents a linear or branched C₁-C₄-alkylene group,

5. The protective covering of Claim 2 wherein
 X represents a C₁-C₄-alkoxy,
 6. The protective covering of Claim 1 wherein the second
 5 coating comprises an inorganic coating.
 7. The protective covering of Claim 1 wherein the second
 coating comprises an organically modified inorganic coating.
 8. The protective covering of Claim 7 wherein the organically
 modified coating comprises at least one multifunctional, cyclic
 10 carbosiloxane of the general formula (III)



in which

- 15 R⁴ independently of one another represents a C₁-C₁₈-alkyl group
 and/or a C₆-C₂₀-aryl group, wherein
 B represents a radical chosen from the group consisting of OH, C₁-C₄-
 alkoxy, C₆-C₂₀-aryloxy and C₁-C₆-acyloxy, preferably OH, methoxy
 20 or ethoxy,
 d is 3 to 6,
 n is 0 to 2 and
 m is 2 to 6,
 and/or a (partial) condensation product thereof.
 25 9. The protective covering of Claim 8 wherein B represents OH,
 methoxy, or ethoxy.

10. A process for the production of a protective covering comprising applying in a first step a two-component polyurethane adhesion promoter (primer) containing alkoxysilyl groups and applying in a second step an inorganic or organic coating or inorganic-organic hybrid coating to a substrate.
11. The process of Claim 10 further comprising applying in a further step a third coating on the substrate.
12. The process of Claim 10 wherein the substrate comprises a metal, a glass, or a polymer.
13. The process of Claim 10 wherein the substrate comprises polycarbonate, polymethyl methacrylate, polystyrene, polyvinyl chloride, polyvinylcyclohexane and copolymers thereof, polyimide, ABS or blends thereof.
14. A substrate comprising at least one protective covering of Claim 1.